THE GEORGE BROWN COLLEGE

SPRING PART-TIME COURSES

COMMENCING APRIL 1977

The George Brown College
of Applied Arts and Technology
P.O. Box 1015, Station B, Toronto, Ontario M5T 2T9

E-164

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For information call 967-1212

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General Information

Course Commencement Dates

Unless otherwise stated classes in the courses listed in this calendar commence during the week beginning April 4, 1977.

Registration Dates

Final registration dates for the Spring Term are Monday, March 28, Tuesday, March 29 and Wednesday, March 30, 1977.

Advance Registration

Advanced application may be made in person between 8:30 a.m. and 4;30 p.m., Monday to Friday.

Registration Locations

Candidates are expected to register at the campus condcting the course.

The campus on which a course is conducted is indicated in the course description.

Locations of the campuses are as follows:—

College Campus
507 College Street
Tel: 967-1212, ext. 305 or 306

Kensington Campus
21 Nassau Street
Tel: 967-1212, ext. 606, 608 or 609

Casa Loma Campus
160 Kendal Avenue
Tel: 967-1212, ext. 405

St. James Campus
200 King Street East
Tel: 967-1212, ext. 504 or 510

Fees

The amount of the fee for each course is stated in the course description; each of these amounts includes a $5.00 non-refundable registration fee. In some cases, the cost of laboratory fees and materials may be additional to the stated amount of the fee.

The receipt issued at the time of payment of fees is the official receipt for income tax purposes; please retain it carefully, since a duplicate cannot be issued.

Anyone who has attained the age of 65 on or before the start date of the course will pay fees at the rate of $5.00 (total) for courses up to 60 hours duration. For courses over 60 hours the fee will be $5.00 plus a prorated amount.

Identification

Your receipt is your admit-to-lecture identification and must be shown to the instructor at the beginning of the course and whenever requested.

Refunds

To obtain a refund a student must apply in writing to the admissions office; forms are available at the campus office for this purpose.

Refunds will be made only if requested before the third scheduled session of the course. The $5.00 registration fee is not refundable. In addition a charge of $1.00 per hour of each scheduled session held prior to the date of application for refund will be made, whether or not the student attended classes. If a course is cancelled, full refund will be made.

REQUESTS FOR REFUNDS MUST BE ACCOMPANIED BY THE OFFICIAL RECEIPT.

Transfer Between Courses

Students wishing to transfer between courses must apply in person to the admissions office on the campus for authorization of change in their admit-to-lecture identification and for any fee adjustment which may be required.

Part-Time Studies During The Day

Enrolment in regular day subjects or courses is possible. For further information call 967-1212 or direct inquiries to the day-school admissions office.

Prerequisites

Candidates are advised that many of the courses require considerable related experience. Prerequisites stated are the minimum requirement.

Minimum Enrolments

The college reserves the right to cancel any class for which attendance has dropped below the required minimum and to suspend or combine during the session any classes in which the attendance falls below the minimum.

Textbooks and Supplies

Textbooks and supplies for all part-time courses may be purchased at the individual campus bookstores.

Certification

Applicants should inquire at the time of registration concerning certification and accreditation.

Changes in Course Offerings

The description of course offerings contained in this calendar is a statement of intention on the part of the College which will be carried out as closely as circumstances permit. However, the College reserves the right to cancel or to change any of the particulars of course offerings without notice.

ACADEMIC
STUDIES

Academic

Academic Upgrading/College Preparatory

These courses are designed for those who wish to upgrade their academic standing for self-development and career improvement and for entry into Apprenticeship, Vocational training and two-year diploma programs offered at Colleges of Applied Arts and Technology.

All courses in this section start the week beginning June 6.

English Upgrading 10 ENG 908

Monday and Wednesday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 9 English or ENG 907.
Course Content: Review of grammar and punctuation as required; descriptive, expository and narrative writing; short reports; introductory business letters; precis writing; vocabulary study; short stories, and poetry from Canadian Literature.

English Upgrading 11 ENG 909

Monday and Wednesday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 10 English or ENG 908.
Course Content: Basic communications designed to improve reading rate and comprehension, vocabulary range, principles of discussion and debates; the English Language in terms of origin, factors that cause a language to change and standards of usage; essays emphasizing creativity will also be required. Detailed analysis of the short story, poetry and short plays from twentieth century literature.

English Upgrading 12 ENG 910

Monday and Wednesday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 11 English or ENG 909.
Course Content: Techniques used by various writers as guidelines for the students in assessing their own work; listening and oral skills with emphasis on debates, presentations, and simulated meetings; detailed analysis of representative twentieth century writers with emphasis on drama and novels.

Mathematics Upgrading 10 MATH 908

Tuesday and Thursday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 9 Mathematics or MATH 907.
Course Content: Study of circles, triangles, theorem of Pythagoras, volumes, weight and capacity; metric conversions; multiplication and division of monomials and binomials; linear equations and graphical solutions; trigonometric ratios, and mensuration.

Mathematics Upgrading 11 MATH 909

Tuesday and Thursday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 10 Mathematics or MATH 908.
Course Content: Brief review of grades 9 and 10 Algebra; Exponents, Scientific Notation and Formulae; Logarithms; Mensuration; ratio and proportion; Real number system and Quadratic surds; plane trigonometry.

Mathematics Upgrading 12 MATH 910

Tuesday and Thursday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 11 Mathematics or MATH 909.
Course Content: Brief review of grade 11 algebra; open sentences, Equations, and inequalities; Relations, Functions, and their graphs; quadratic equations; sequences and series; numerical trigonometry.

Biology BIO 900

Monday and Wednesday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 10 Science or SCI 908.
Course Content: Human anatomy and physiology in the grade 11 or 12 level; structure and function of the various body systems with laboratory work.

Chemistry CHEM 900

Tuesday and Thursday
5:30-8:30 p.m.
Casa Loma Campus
69 hours
Fee: $75.00

Prerequisite: Grade 10 Science or SCI 908.
Course Content: Grade 11 or 12 level; introductory college chemistry with laboratory work.

Career Improvement

English I ENG 100

Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: Grade 12 English, ENG 910 or equivalent.
Course Content: Skill in the use of simple, clear, correct English; emphasis on effective oral and written communication, special focus on reading/learning techniques, technical writing, and oral communication of ideas, information and instructions.

English (Technical) ENG 530

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Course Content: Related to trades and technologies at the level needed for journeyman status; reading for comprehension, reading for details, reading for main ideas; summarizing information, making notes, and reading as studying; remedial and developmental work in oral and written expression.

Two-Person Communication ENG 914

Wednesdays, 6:00-8:00 p.m.
Kensington Campus
24 hours
Fee: $30.00

This course is designed to help the participants become aware of the state of their own communicative skills. It will be of particular value to people who are involved in various forms of two-person communication in their work, such as supervisors, managers or others who are in close contact with the public. The course will use films and case studies to help improve communication skills.

Mathematics I MATH 100

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: Grade 12 Math, MATH 910, or equivalent.
Course Content: Computations with measured quantities; exact and approximate numbers; scientific notation; analysis or error; slide rule and scales
Algebra, Logarithms, Trigonometry and Analytic Trigonometry.

Mathematics II MATH 200

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: MATH 100 or equivalent.
Course Content: Algebraic notations: binomial theorem, Trigonometry. Analytic Geometry: the straight line, loci, conics, second degree equations. Differential Calculus: limits, derivatives of product, quotient and power functions, rate of change, maxima and minima. integration: indefinite and definite integrals, areas under the curve, volumes of revolution.

Mathematics MATH 530

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

This course is designed to prepare the student for future studies at the post-secondary level in technical Mathematics; also suitable for electrical apprentices who require credit at the intermediate and advanced levels.
Course Content: Algebraic operations, factoring, linear and quadratic equations, trigonometry, solution of right angle and oblique triangles, logarithms and vectors.

Trade Mathematics I MATH 610

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

This course is designed for tradesmen, apprentices, and persons desiring a foundation in trade Mathematics — basic and intermediate levels for most trades.
Course Content: Whole numbers, fractions, decimals and percentages applied to trade problems; square root calculations and the Pythagorean theorem; calculations involving circles, triangles, compound areas and volumes; manipulation of trade formulae.

Trade Mathematics II MATH 630

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

This course is designed for tradesmen, apprentices and persons desiring advanced study in trade mathematics — intermediate and advanced level for most trades.
Course Content: Manipulation of more complex trade formulae; mensuration; graphs, charts and trade estimating; ratio, proportion and variation; the slide rule.

Metric System SI 900

Monday, 7:00-9:30 p.m.
Casa Loma Campus
10 hours
Fee: $15.00

Historical perspective; Development of the Metric System; Introduction to the SI Metric System; Units and derived units; Notation for SI units; Applications; Conversions; Films.

Advanced Coatings Technology CHEM 907

Saturday, 9:00 a.m. - 3:00 p.m.
Casa Loma Campus
60 hours
Fee: $75.00

Prerequisite: CHEM 901 — Basic Coatings Technology or equivalent.
Course Content: Quality control of raw materials, preparation and evaluation of solvent and water born coatings, report writing. This is a laboratory course.
Note: Enrolment for this course is limited.

Polymer Chemistry CHEM 910

Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Basic concepts of polymer science, molecular forces and chemical bonding, theory of functionality, molecular weight and its distribution, properties, morphology of polymers; thermoplastic, thermoset, natural, organic, inorganic polymer; degradation and stabilization; identification of plastics; rheology.

Additives, Fillers and Reinforcements for Plastics CHEM 920

Tuesday, 7:00-10:00 p.m.
Casa Loma Campus
45 hours
Fee: $50.00

Many plastics do not possess the required properties by themselves for some applications, but they can be converted into highly serviceable products by combining them with other materials; colorants, ultra violet and heat stabilizers, plasticizers, flame retardants, blowing agents, antioxidants, lubricants, antistats, organic peroxides, reinforcements.

ARCHITECTURAL TECHNOLOGY

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Architecture

Architectural Drafting — Part I DR 900

Monday and Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Course Content: Drafting equipment and procedure, Canadian symbols and conventions, foundation and floor plans for various types of construction, site plans, typical wall section, window details, door details, stair details, fireplace and chimney details, simple structural steel and reinforced concrete details, freehand sketches.

Architectural Drafting — Part II DR 901

Monday and Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: Successful completion of Part I, employment in architectural drafting at the junior level, or graduation at the grade 12 level in architectural drafting.
Course Content: Planning drawing layout; presentation drawing in the form of rendered plan and elevation; drawing plans, elevations, full sections, details and structural drawings of commercial or industrial buildings.

Blueprint Reading For The Construction Trades DR 931

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Credit toward AR DR 10/20.
Intended for those working in all branches of the building trades and serves as a foundation for further study.
Course Content: Orthographic projection, dimensions, pictorial drawing, drawing to scale, symbols and conventions, standard construction, plan study, construction details, plan reading and interpretation.

Plumbing Qualification PLUM 902

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Course Content: A refresher course in general plumbing theory and code (Provincial) for those required to write the Ontario Certificate of Qualification examination.

Plate and Structural Layout ENDR 571

Monday and Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Course Content: Plane geometrical constructions and terminology, orthographic projection, principal and auxiliary views, dimensioning systems. Basic principles of descriptive geometry; true length of lines, true shape of planes, true angles, revolutions and intersection of planes. Developments by parallel line, radial line and triangulation methods. Structural shapes, symbols and specifications, layout and development of industrial projects involving plate and structural shapes, fabricating methods, shop notes and bills of material.

Technical Drawing II — A.T.E.C. Program (Approved) ENDR 902

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: ENDR 901 or equivalent.
This course is a continuation of Technical Drawing I. The topics included are treated in greater depth.
Course Content: Bearing Types, lubrication, selection. Gear types, definitions, formulae, gear trains, application and drawings. Cam types, followers, motions, layouts, displacement diagrams, drawings. Selection of fasteners, fittings, springs and other standard components. Limits and fits, unilateral and bilateral tolerances, classes of fits, geometric tolerances, standard notes and symbols. Surface roughness, engineering materials and production methods. Jigs, fixtures and gauges, practical drawing applications. Details, design layouts, assemblies and subassemblies.

Process Piping Drafting — Part I A.T.E.C. Program (Approved) ENDR 903

Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: Basic knowledge of mechanical drafting, ENDR 901 or equivalent.
The purpose of the course is to introduce to the draftsman the specialized techniques of process piping drawing.
Course Content: introduction to orthographic and pictorial piping drawing using single and double line representation, including piping symbols, fittings, valves, piping standards and classifications, schematics and flow diagrams. Materials, fabrication and simplified piping layout.

Process Piping Design Upgrading Courses For Designers

This is a series of six short courses suitable for Process Pipe designers who may be involved in special technical areas. The courses are designed to help senior piping draftsmen and designers upgrade their knowledge in these specific areas. The courses may be taken singly or in various combinations over a period of time. The courses available in this series are:

ENDR 931 Piping Standards and Codes — Part I
ENDR 937 Piping Standards and Codes — Part II
ENDR 932 Pipe Design and Calculation
ENDR 933 Pipe Stress Analysis and Flexibility
ENDR 934 Pipe Hangers, Supports and Guides
ENDR 935 Process and Energy Systems
ENDR 936 Foundations, Structures and Platforms

The following courses from this series will be available during the period of April to June, 1977.

Pipe Hangers, Supports and Guides ENDR 934

Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
30 hours
Fee: $35.00

Course Content: Types of commonly used hangers and their applications. Calculation of hanger weights. The design and use of conventional anchors, guides, and sway braces.

Piping Standards and Codes — Part 1 ENDR 931

Wednesday, 7:00-10:00 p.m.
Casa Loma Campus
30 hours
Fee: $35.00

Course Content: A study of various Piping Codes, Standards, and material specifications. The interpretation of standards and codes, and their application to process piping engineering practice.

ATHLETICS & RECREATION

Athletics/Recreation

Applied Underwater Science AUS 800

Wednesdays or Thursdays
7:00-10:30 p.m.
Casa Loma Campus
52½ hours
Fee: $58.00

Locations: Wed. 186 Beverly Street (Central)
Thurs. Eastern Commerce High (East End) 16 Phin Ave.
Starting dates: April 27 and 28.
Course Content: This course is open to anyone with the ability to swim. Covers all aspects of snorkeling and scuba and leads to certification. Open water dives and trips south. All equipment is supplied.

General Fitness FIT 800

Monday and Thursday
7:00-8:30 p.m.
Casa Loma Campus
18 hours
Fee: $23.00

Course Content: This course is designed to improve your fitness level in all areas. Two fitness tests are to be administered. The first test is essential in evaluating the individual's initial fitness or physical level. The exercise program is then designed specifically on the areas that need developing. Group size may range from 6-12 people and is led by an instructor. After the six-week program, there is the retest, which is important in determining the improvement made.
Note: Week of March 7th will be testing week. Please call the Athletic Department, Tel. No. 967-1212, Ext. 431 for an appointment.

Yoga YOGA 800

Wednesday, 7:00-9:00 p.m.
Casa Loma Campus
24 hours
Fee: $29.00

The scientific technique of Traditional Yoga presented in this course will cover physical culture Asana; Pranayama — breathing; meditation — Mind-training. This ancient technique concentrates on individual-self-development for perfect physical and mental well-being. It is strictly individual and teaches methods for independent use.

Indoor Gardening I GARD 800

Tuesday, 7:00-9:00 p.m.
Casa Loma Campus
20 hours
Fee: $25.00

How to purchase and care for house plants. Plant identification and care, soils, fertilizers, propagation, insects and plant diseases, terrariums, growing plants under lights.

Indoor Gardening II GARD 801

Thursday, 7:00-9:00 p.m.
Casa Loma Campus
20 hours
Fee: $25.00

Prerequisite: Successful completion of Indoor Gardening I (Gard 800).
Course Content: Indoor Gardening II will cover essential elements of botany which apply to successful plant growth. This down to earth course in lay man's language will enable the amateur indoor gardener to understand the effect of the environment on plants grown indoors and in greenhouses. Primarily a theory course, the knowledge gained will enhance and supplement the information given in Indoor Gardening I.
Areas to be covered in this course include plant cells, roots, leaves, stems, transpiration, conduction, absorption, photosynthesis, respiration, flowering and seeding, and factors influencing growth.

BUSINESS & COMMERCE

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Business and Commerce

All courses in this section begin in the week commencing April 11.

Insurance Courses Leading to A.I.I.C. or F.I.I.C.

Principles and Practice INS 900

Monday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Introducing the Insurance business; the organization and operation of Insurance; Law; basic documents — applications; binders and policies; from application to expiry; reinsurance; federal and Provincial controls; production of business; adjusters; underwriters' associations or boards; history; how to read a policy.

Property I INS 901

Wednesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Basic fire insurance policy, extended coverage endorsement; Insurance Act provisions — fire insurance; Fire Statutory Conditions; coconcepts relating to property Insurance, coinsurance, mortgage clauses; dwelling fire insurance coverages; dwelling extended coverage endorsement; introduction to inland marine and multi-peril, general features of inland marine and multi-peril forms and underwriting of these forms; householders' named perils, personal effects floater, fine arts policy, miscellaneous coverages; composite dwelling policy, homeowners' policy, tenants' package policy; co-operatives and condominiums.

Property II INS 902

Tuesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Business fire coverages; extended coverage endorsements E.C.K.L.J. rating; fundamental principles and purposes of underwriting; practice of underwriting; the mechanics of underwriting; Insurance plans; plan drawing; mercantile coverages and commercial coverages designed for specific purposes; bailees; coverages; real property insurance; basic fire policy; survey practice.

Liability INS 903

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

The law of Negligence — Common Law — basic principles, the courts, employer and employee, independent contractors, dangerous things, animals, children and parents, damages, liability of owners and occupiers for dangerous land or premises, public authorities, conflict of laws, fatal accidents, defences.
The Law of Negligence — Province of Quebec.

Insurance on the Person INS 904

Wednesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

History, types of policies, premiums, multi-party policies, computation of premiums — mortality, interest, expenses; office reserves — policy values, annual statements; savings and protection — uses of policies, effect of taxation; the Insurance Act; underwriting life insurance; business life insurance, pension plans, group insurance, equity investments, agency systems.
Accident and Sickness — history, the Insurance Act, Statutory Conditions; coverages, underwriting, group insurance.

Burglary and Fidelity INS 905

Tuesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Definitions, policy conditions; Robbery insurance — interior messenger and paymaster robbery (hold up) policy; Burglary insurance — safe burglary policy, mercantile stock burglary, damage to buildings by burglary or robbery; Theft insurance — church theft, residence theft; Broad form coverage — money and securities policy (broad form); Safe deposit box policy (lessee's burglary and robbery cover), lessee's cover (broad form), lessor's cover (blanket insurance), lessor's cover (liability insurance); fidelity, forgery; Package policies — comprehensive dishonesty, disappearance and destruction policy, office — store burglary and robbery, broad form storekeepers, brokers blanket bonds; physical protection; underwriting; rating; claims.

Automobile INS 907

Tuesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Introduction and development, and applications in general, applications for Owner's form (S.P.F. I); Owner's form — Section A — Third Party Liability; Owner's form — Section B Accident Benefits coverage; Owner's form — Section C — Own damage; General provisions, definitions and exclusions; Automobile insurance law and Statutory Conditions; endorsements which may be used with Owner's form; Non-owned Liability insurance; garage coverages; automobile insurance variations in the provinces; financial responsibility laws; highway victims indemnity funds; absolute liability, filing proof of financial responsibility; facility; compensation without fault; rating, claims.

Loss Adjustment and Claim Settlement INS 908

Wednesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Adjusting in general, the adjuster's obligations, ethics; the contract — definition of terms, types of contract; relationships — waiver and estoppel, non waiver agreements, proximate cause, without prejudice, reports; subrogation; aids to implementing adjustments — catastrophe plan, arbitration agreements, Insurance Crime Prevention Bureau, guiding principles; first party claims; public liability insurance; products liability; professional liability; bond claims — fidelity and surety; preserving the evidence; litigation; termination of a claim.

Casualty Covers INS 909

Thursday, 5:30-9:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Glass Insurance — policy coverage, underwriting, claims; Surety bonds — underwriting terms, principles of suretyship, miscellaneous bonds, contract bonds, fiduciary bonds, administration bonds, underwriting, cancellation, surety claims procedure; Boiler and machinery insurance — history, main classes of objects for insurance, the policy, schedules and endorsements, rating, indirect insurance; Aviation Insurance — aviation aircraft liability insurance, underwriting and rating, endorsements, additional coverages, aviation general liabilities, premises and operations liability, hangarkeeper's liability, products and completed operations liability, employer's liability and workmen's compensation, aviation accident insurance, air cargo liability insurance; miscellaneous coverages — water damage insurance, weather insurance, crop hail insurance, live stock mortality insurance, commercial credit insurance.

Fire Prevention and Protection INS 910

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Principles and practice of fire equipment; hand operated fire extinguishing equipment; automatic sprinkler protection and other special fire extinguishing equipment; private fire alarm services and equipment; public fire protection.

Business Interruption INS 911

Monday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Purpose, terminology, insured perils, policy periods — indemnity period, American vs. British approach, insurable interest.
Earnings Insurance no co-insurance, gross earnings, insurance, profits insurance, other forms, some practical points, loss adjustment.

Property Loss Adjustment INS 912

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Obligations of the Insured and insurance company in event of loss; the adjuster — his investigation and reports; the policy; determining the loss; determining the cause and point of origin of fires; criminal code offences; coinsurance, pro-rata distribution, apportionments; guiding principles; arbitration; miscellaneous coverages; special procedures; business interruption; extended coverage; forms and documents; aids to implementing adjustment.

Insurance Accounts and Finance INS 913

Wednesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Government control of insurance companies; general principles of bookkeeping and insurance accounts, systems and methods, inter-relationship of accounting and statistical departments; books and records of original entry and subsidiary ledgers, general ledger, profit and loss account and balance sheet, premium reserves and loss reserves; collection and credit; agents accounts; reinsurance accounts; statistics; taxation of general Insurance companies; investments.

Fire Hazards INS 915

Wednesday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

A comprehensive study of fire hazards in general and building construction, in particular.
Within these terms of reference this course covers the various types of building materials, and treats in descriptive and graphic forms, many types of structure — with special emphasis on fire resistance.
The course draws attention to the study of fire hazards such as those attending heating, lighting, and housekeeping, and to the relationship of these hazards to ignition, combustion — as well as to volatility and flammability.

Bodily injury Claims INS 916

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Course Content: Investigation and Background, Anatomy, Bodily Injury, Bodily Injury Treatment, Interpretation of Medical Reports, disability, Rehabilitation, the Evaluation, Negotiation and Settlement of Bodily Injury Claims.

Principles and Practice of Marine INS 923

Monday and Wednesday, 5:30-8:30 p.m.
St. James Campus
60 hours
Fee: $65.00

Function of marine insurance; marine insurance and trade; marine insurance markets; associations; Lloyds; insurance accounts; effecting insurance; types of policies; the policy form — construction, principles of interpretation, wording; the voyage; the vessel; insured perils; assignments; definitions of pertinent terms; losses; the adjustment; general average; salvage, double insurance, subrogation, returns of premium; Hull insurance clauses, Institute Time clauses, Canadian and American clauses, Cargo clauses, other frequently used clauses; floating policies; open covers; reinsurance; Marine Insurance Act; York-Antwerp Rules; average adjusters.

General Insurance Essentials INS 950A

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

This course is offered in two sections. The first one deals with structures of the industry, office procedures and automobile insurance. It is designed for persons working in clerical or similar positions and is offered in co-operation with the Insurance Institute of Canada.

General Insurance Essentials INS 950B

Thursday, 5:30-8:30 p.m.
St. James Campus
36 hours
Fee: $50.00

Continuation of INS 950A covering personal lines, claims, principles, law and government controls. Upon completion of this second section, credit will be granted for CC1-INS 900 and one other optional subject in the A.I.I.C. offerings.

Business Law AS 907

Tuesday and Thursday
5:30-8:30 p.m.
St. James Campus
60 hours
Fee: $65.00

Course Content: Designed to provide an understanding of Common Law as it applies to private citizens and to persons engaged in small business enterprises; definitions and explanations of contracts, employment, agency, the sale of goods, insurance, real estate, partnership, bankruptcy, negotiable instruments, business crime, torts.

Real Estate

An Introduction to Real Estate — Segment I RE 900A

Casa Loma Campus
30 hours
Fee: $65.00

Course Content: This course covers the following topics: ownership of real property; real estate as an investment; to own or to rent?; how much should we pay?; financing a purchase; financing — government plans; benefits and services of broker; a career in real estate; relationship of principal and agent; the typical real estate transaction.

An Introduction to Real Estate — Segment II RE 900B

Casa Loma Campus
60 hours
Fee: $105.00

Prerequisites: Evidence of completion of Segment I; 75% pass mark on the examination for Segment I; Real Estate Sales Training Package.
Course Content: This course covers the following topics: introduction; real estate and the economy; the Real Estate and Business Brokers Act; the broker — salesman relationship; ethics; municipal regulations; subdivision control; introduction to land descriptions; construction; evaluation; advertising; mortgages; agency law; statutes affecting the Real Estate business; parties to contract; contract law; agreement of purchase and sale.

An Introduction to Real Estate — Segment III RE 900C

Casa Loma Campus
60 hours
Fee: $135.00

Prerequisites: Evidence of completion of: Segment II; 75% pass mark on examination for Segment II.
Course Content: This segment is comprised of case studies designed to give participants an opportunity to focus on practical situations they would encounter in a day to day Real Estate operation.

NOTE: FOR FURTHER INFORMATION ABOUT Real Estate courses, phone 967-1212, ext. 595.

Electro-Mechanical

Welding I WELD 900

Monday and Wednesday
7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00
Materials: $15.00

Prerequisite: Ability to understand English well enough to absorb instruction.
Course Content: Basic principles of oxyacetylene and electric arc welding; safety precautions; types and uses of various oxyacetylene flames; types and uses of various rods and electrodes; braze welding; use of fluxes, arc welding machine controls; practice welding in the flat position using oxyacetylene and electric arc equipment.

Welding II WELD 901

Monday and Wednesday
7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00
Materials: $15.00

Prerequisite: WELD 900 or equivalent experience.
Course Content: Theory of alternating and direct current; polarity; shielded arc electrodes; classification and selection of electrodes; edge preparations, joint design; weld faults; manufacture and storage of oxygen and acetylene; basic welding metallurgy; practice welding of fillet, lap, and butt joints in the flat, horizontal, and vertical positions using oxyacetylene equipment; practice welding of fillet and lap joints in the flat, horizontal and vertical positions using electric arc equipment.

Welding III WELD 907

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $77.00
Materials: $18.00

Prerequisite: WELD 900 and WELD 901, or equivalent experience.
Course Content: Selection of electrodes; function of cellulose and low hydrogen coatings; electrode operating characteristics; control of weld faults; set-up and adjustment of machine controls; techniques required for "all position" welding; control of distortion; testing of welds; practice welding of fillet and lap joints in all positions and an introduction to groove joints in all positions. Cellulose and low hydrogen electrodes will be used.

Welding Pre-Certification (A.S.M.E.) WELD 903

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $77.00
Materials: $33.00

Prerequisite: WELD 900, WELD 901 and WELD 902 or equivalent experience.
Course Content: Safety precautions; function of electrode coatings; electrode selection and application; edge preparation, weld faults, welding techniques; setting up of equipment; testing of welds and operators, codes; practice welding of groove joints in all positions, using cellulose and low hydrogen electrodes; root and face guided bend test specimens will be taken from buff welds in all positions.

Welding — Pipe — Uphill (M.M.A.) WELD 904

Monday and Wednesday
7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $82.00
Materials: $48.00

Prerequisite: (1) WELD 900; WELD 901, WELD 902, and WELD 903; or (2) Boiler inspection branch (A.S.M.E.) or Canadian Welding Bureau (C.W.B.) Certification for all positions.
Course Content: Pipe specifications, preparation of pipe, recommended fits and tolerances; electrode selection and classification; testing of welds and operators' codes; practice welding, using the uphill welding technique and low hydrogen arc welding electrodes.

Welding Ornamental Metalwork WELD 909

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $77.00
Materials: $8.00

Course Content: Fundamentals of welding, safety precautions, selection of materials; fundamentals of design, use of hand tools, methods of twisting, forming and fastening metals; forming of scrolls; surface decoration, surface finishing; use of metal working equipment; practical shop work consisting of the fabrication of various types of ornamental metal projects.

Welding Aluminum and Stainless Steel (G.T.A. and M.I.G.) WELD 910

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $82.00
Materials: $48.00

Prerequisite: WELD 900 and WELD 901 or a minimum of six months continuous experience in oxyacetylene or arc welding.
Course Content: Setting up and adjusting G.T.A. and M.I.G. equipment; types, sizes and uses of tungsten electrodes; types and sizes of filler wires, use of shielding gases; flowmeters; practice welding of light gauge aluminum and stainless steel sheet using the G.T.A. process and welding of aluminum plate using the M.I.G. process.

Electronic Fundamentals — Part II ELTC 901

Tuesday, 7:00-10:00 p.m.
St. James Campus
60 hours
Fee: $65.00

Prerequisite: Successful completion of ELTC 900.
Course Content: Transducers, vacuum tube operation; vacuum tube characteristics; basic power supplies; electronic meters; cathode ray tubes; oscilloscope; power transfer; impedance matching; atomic structure of semiconductors; diode junction; avalanche and Zener breakdown; junction transistors; transistor amplifiers, coupling methods, power amplifiers, transistor oscillators; semi-conductors data sheets.

Electrical Apprentice Review EL 900

Monday and Wednesday,
7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Designed for those apprentices who are in their final term and who expect to write the qualifying examination sometime within the year.
Course Content: Theory, code and equipment over the entire area of apprenticeship training.

Hydro-Electric Power Commission Regulations EL 902

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: At least fifth term apprentices, or journeymen.
Course Content: Authority, interpretations, use of the index, application of regulations.

Electrical Construction — Part I EL 907

Monday and Wednesday,
7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: Grade 10 or the equivalent.
Course Content: Ohm's Law; series circuits, combination circuits; two-wire distribution; line loss, power efficiency; wire calculations; batteries, magnetism, electro-magnetism, induction, three-wire distribution; Hydro Electric Power Commission Regulations; shop projects.

Electrical Construction — Part II EL 908

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: EL 907 or the equivalent.
Course Content: Electro-magnetism; induction; DC generators; generator set-up and operation; DC motor, motor operation and controls; Hydro-Electric Power Commission Regulations; shop projects.

Electrical Construction — Part III EL 909

Tuesday and Thursday, 7:00-10:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Prerequisite: EL 908 or the equivalent.
Course Content: AC fundamentals, vectors, single-phase transformers, single-phase motors, three-phase motors, three-phase transformers, auto transformers, Hydro-Electric Power Commission Regulations, shop projects.

FASHION TECHNOLOGY

FASHION TECHNOLOGY

Fashion Technology

Apparel Management

The following courses are offered to those people interested in obtaining a diploma in Apparel Management, or in upgrading their present employment. We suggest you call the Fashion Technology Division for information as to times and courses offered.

All part-time (extension) courses bearing code numbers in the one, two, three, or four hundred series carry credits that can be used towards obtaining a two-year or three-year diploma in specialized programs. Please contact the Dean or Chairman for details.

Unless otherwise stated, there will be a $5.00 materials charge for all courses in this section.

Apparel Construction DRES 141A
(Dressmaking Elementary)

Monday and Wednesday, or
Tuesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Course Content: Elementary dressmaking using commercial patterns; samples, measurements, relationship of pattern, style and fabric, laying out patterns; sewing techniques (hand and domestic machine).

Apparel Construction DRES 145A
(Dressmaking Intermediate)

Tuesday, 7:00-10:00 p.m.
Kensington Campus
30 hours
Fee: $35.00

Prerequisite: DRES 141 or equivalent.
Course Content: Continuation of DRES 141 — the proper selection of style and pattern to suit the wearer and material; fashions and their changes; knits and stretch fabrics techniques; intimate wear and lingerie; special finishes.
Student to supply materials.

Apparel Construction III DRES 151B
(Dressmaking Advanced)

Monday and Wednesday, or
Tuesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $50.00

Course Content: Efficient use of materials to minimize waste. Couture methods. The student will provide own material.

Apparel Pattern Drafting I PAT 141B
(Elementary)

Monday and Wednesday, or
Tuesday and Thursday
7:00-10:00 p.m.
60 hours
Kensington Campus
Fee: $65.00

Prerequisite: Knowledge of dressmaking.
Course Content: Elementary pattern design (Men's, women's and children's wear); drafting directly "on the flat" (i.e. on paper); in manufacturing sizes to a "price line".

Apparel Design I PAT 142B
(Men's Pattern Design)

Monday and Wednesday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Course Content: Styling, line, proportion, research (drafting of men's patterns).
Students to supply own material.

Apparel Pattern Drafting II PAT 151B
(Intermediate)

Tuesday, 7:00-10:00 p.m.
Kensington Campus
30 hours
Fee: $35.00

Prerequisite: PAT 141 or equivalent.
Course Content: Intermediate pattern drafting (women's and children's wear) embellishing PAT 141.

Fashion Illustration I PAT 144B
(Elementary)

Monday and Wednesday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: Grade 8 or equivalent and artistic aptitude.
Course Content: Elementary course in Fashion Art to show fashion, style design, fabric texture.
Student to supply own materials.

Modelling (Fashion) FASH 110

Tuesday, 7:00-10:00 p.m.
Kensington Campus
30 hours
Fee: $35.00

Course Content: Fashion runway modelling — fashion showing, self improvement.
Materials charge is included.

Drapery (Slipcovers) FAB 252B

Monday and Wednesday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Course content: How to measure and make drapes and slip covers.

Theory and Recognition of Furs (Introduction) FUR 143A

Days only
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: Instructor's evaluation or Grade 10.
Course Content: Recognition of wild and ranched furs. Continuous intake.

Fur Manufacturing Techniques (Elementary) FUR 244

Days only
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: Some fur knowledge and Grade 10.
Course Content: Cutting, sewing, blocking and finishing. Continuous intake.

Fur and Leather Fashions FUR 145A

Days only
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: FUR 144 or experience.
Course Content: Drafting patterns and grading. Continuous intake.

Furniture Finishing FURN 103B

Monday and Wednesday,
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Course Content: Surface preparation and basic colour treatments including staining and glazing; hand and spray application of varnish, shellac and lacquer.
Students supply own material.

Sewing Machine Operation SEW 141B

Two afternoons or two evenings a week
Kensington Campus
120 hours
Fee: $125.00

Prerequisite: Instructor's evaluation.
Course Content: Single-needle lock stitch flat-bed machine; 240 hours Performance Objective Program leading to speed, stamina, rhythm in sewing on professional machine; use of steam iron on trolley; 120 hours first semester.

Serger Machine SEW 142B

Afternoon or evening
Kensington Campus
30 hours
Fee: $35.00

Prerequisite: SEW 141.
Course Content: Special module (30 hours) for students reaching SEW 141/151 objectives in less than 240 hours. Also available for part-time students during regular classes.

Blind Stitch Machine SEW 143A

Afternoon or evening
Kensington Campus
30 hours
Fee: $35.00

Prerequisite: SEW 141.
Course Content: Special module as for SEW 142.

Button-Hole and Button Sewer Machine SEW 144B

Afternoon or evening
Kensington Campus
30 hours
Fee: $35.00

Prerequisite: SEW 142 or SEW 143.
Course Content: How to use button-hole and button sewer as used in Ontario Apparel plants.

Sewing Machine Operation II SEW 151

2 afternoons or 2 evenings a week
Kensington Campus
120 hours
Fee: $125.00

Prerequisite: SEW 141.
Course Content: As SEW 141, final 120 hours of Performance Objective Program for part-time students during regular classes.

Special Sewing Machines SEW 900

Monday to Friday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

General interest course in which the student will learn to use the Serger, blind stitch, off-the-arm, button sewer, button holer and zig-zag machines.

Ladies' Hairdressing HAIR 900

Monday and Wednesday,
7:30-10:30 p.m.
Kensington Campus
60 hours
Fee: $100.00

Prerequisite: Ontario Certification of Qualification and currently employed.
Course Content: Advanced methods of scissor cutting, blow waving, ironing; handling long hair, hair pieces and current fashion trends.
Materials charge is included.

Men's Hairstyling BARB 900

Wednesday, 7:30-10:30 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: Ontario Certificate of Qualification and currently employed.
Course Content: Practical haircutting, shampoos; discussions on styles, styling and blow waving, tinting, bleaching, processing, razor cutting, hair pieces.
Materials charge is included.

Men's Clothing I FASH 904

Monday, 7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: Designed for those working in apparel stores. Interest is more important than extensive experience.
Course Content: Taping and measuring; figure description; proper writing up of orders, fitting and try-ons; some common alterations and markings for made-to-measure.
Materials charge is included.

Tailoring I DRES 146

Monday and Wednesday,
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: DRES 141 or sewing skills.
Course Content: Ladies' tailoring, sewing, cutting techniques; finishing coats and suits using commercial techniques. Some men's and children's tailoring.
Students supply their own material.

Elementary Weaving WEAV 101

Wednesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Course Content: Small hand looms basics.
Student supply own material.

Elementary Weaving WEAV 151

Wednesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: WEAV 101.
Course Content: Continuation of WEAV 101.
Students supply own materials.

Advanced Weaving WEAV 201

Wednesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: WEAV 151 or equivalent.
Course Content: Large hand looms; projects.
Students supply own material.

Advanced Weaving WEAV 251B

Wednesday and Thursday
7:00-10:00 p.m.
Kensington Campus
60 hours
Fee: $65.00

Prerequisite: WEAV 201.
Course Content: Continuation of WEAV 201.
Students supply own materials.

Macrame ART 801

Wednesday, 7:00-9:00 p.m.
Kensington Campus
20 hours
Fee: $25.00

Course Content: Basic concepts of macrame.
Students supply own materials.

Apparel Machine Technology II (Sewing Machine Repairs) AT 152

Kensington Campus
32 hours
Fee: $37.00
Materials: $21.00

Prerequisite: Demonstrated mechanical aptitude.
Course Content: Some mechanics of sewing machines, history; justifying purchase, variations, efficient uses and common repairs (elementary).

Needle Trade Technology VII (Machine Repairs Intermediate) AT 262

Kensington Campus
32 hours
Fee: $37.00
Material: $21.00

Prerequisite: AT 152 or Industrial experience.

Window Display I DISP 900

Kensington Campus
45 hours
Fee: $65.00

Course Content: Purpose, concepts and uses of window display; discussion and demonstration of types, timing, props, colour and materials used.
Materials charge is included.

Window Display II (Elementary) DISP 901

Tuesday and Thursday
7:00-10:00 p.m.
Kensington Campus
45 hours
Fee: $65.00

Prerequisite: Window Display I (Theory of Colour).
Course Content: Preparing merchandise; flooring, lighting and plans; sketches and sources of ideas; installing backgrounds and props; placing signs and merchandise; budgeting.
Materials charge is included.

Ceramics classes form every ten weeks. Sixty hour courses are run Monday and Wednesday, and Tuesday and Thursday, 9:00-12 noon, 1:00-4:00 p.m. and 7:00-10:00 p.m. Thirty hours classes are run Friday, 9:00-12 noon, 1:00-4:00 p.m. and 7:00-10:00 p.m., and Saturday, 9:00-12 noon, 1:00-4:00 p.m.
Cost of firing is included in the materials charge for all ceramics courses.

Ceramics 1 CER 101

Casa Loma Campus
60 hours
Fee: $65.00
Materials: $20.00

Course Content: Wheel techniques, hand building, glazing, decorating and kiln work.

Ceramics 2 CER 151

Casa Loma Campus
60 hours
Fee: $65.00
Materials: $20.00

Prerequisite: CER 101 or equivalent.
Course Content: Advanced classes for CER 101.

Ceramics 3 CER 201

Casa Loma Campus
60 hours
Fee: $65.00
Materials: $20.00

Prerequisite: CER 151 or equivalent.
Course Content: Advanced classes for CER 151.

Ceramics 4 CER 251

Casa Loma Campus
60 hours
Fee: $65.00
Materials: $20.00

Prerequisite: CER 201 or equivalent.
Course Content: Advanced classes for CER 201.

Basic Ceramics CER 900

Casa Loma Campus
30 hours
Fee: $35.00
Materials: $10.00

Course Content: Introduction to wheel techniques; hand building, glazing, decorating and kiln work.

Ceramics (Elementary) CER 901

Nightly
Casa Loma Campus
45 hours
Fee: $50.00
Materials: $15.00

Course Content: Techniques of the potter's wheel; hand glazing decorating; kiln work.

Ceramics (Beginners) CER 902

Daily
Casa Loma Campus
90 hours
Fee: $95.00
Materials: $35.00

Course Content: Techniques of the potter's wheel; hand glazing decorating; kiln work.

GRAPHIC ARTS

Graphic Arts

General Note:

Successful completion of three courses at successive levels in the same subject will merit a special subject certificate (e.g. completion of GR 105, GR 205 and GR 305 for a Certificate in Process Camera, or GR 115, GR 116 and GR 216 for a Certificate in Single Colour Offset Press). Credits may be accumulated towards a diploma for the related technician program where appropriate.

There are six major subject areas:

Graphic Design
Signwriting
Visual Communications
Printing Technology
Screenprinting
Audio Visual

During the Spring Semester courses will be offered in three areas only:

Visual Communications
Printing Technology
Audio Visual

PHOTOMECHANICAL REPRODUCTION — STRIPPING AND PLATEMAKING
GR 105 April 6th GR 305 April 4th GR 110 April 6th GR 310 April 6th
VISUAL COMMUNICATIONS COURSES
AV 920 April 4th AV 922 April 5th AV 923 April 4th
AUDIO VISUAL
AV 904 April 5th — 1st class AV 904 April 6th — 2nd class

Printing Technology

Printing Technology covers all aspects of pre-press preparatory work, press operation and post-press Binding and Finishing. George Brown College has the best equipped facilities in Ontario and offers training in the latest techniques by "hands-on" participatory courses.

Film Imposition and Printing Surface Preparation (Basic Stripping and Platemaking) GR 110

Wednesday and Thursday,
6:00-10:00 p.m.
St. James Campus
60 hours
Fee: $65.00
Materials: $25.00

Prerequisites: Preference will be given to candidates employed in the graphic arts industry.
Course Content: A basic course for black and white and line colour stripping. The course introduces job planning and layout of flats containing negatives, half-tone negatives, line colour negatives and duo-tones. Imposition is included with the preparation of folded dummies and layout sheets for various types of bookwork. Darkroom techniques for making photographic contact film and the exposing and development of presensitized offset plates are part of this course.

Film Imposition and Printing Surface Preparation (Colour Stripping and Platemaking) GR 310

Wednesday and Thursday
6:00-10:00 p.m.
60 hours
St. James Campus
Fee: $65.00
Materials: $25.00

Prerequisites: Completion of GR 210 or equivalent experience.
Course Content: Four colour process stripping procedures including the preparation of flats containing chokes and spreads, fake colour and colour separation; colour charts are prepared by the student incorporating the various screen angles and tints. Further experience will be obtained in manual step and repeat methods and machine photo composing.

Photomechanical Reproduction — Basic (Black and White Camera) GR 105

Wednesday and Thursday
6:00-10:00 p.m.
St. James Campus
60 hours
Fee: $65.00
Materials: $25.00

Prerequisites: Preference will be given to candidates employed in the graphic arts industry.
Course Content: Operation of process cameras, calibration of process cameras and darkroom equipment for line, fine-line and half-tone negatives; application of coloured filters and the use of panchromatic film; making photographic contact, duplicates, spreads and chokes; theory of photographic lenses, light sources, film emulsions and processing solutions.

Photomechanical Colour Reproduction (Offset) GR 305

Monday and Tuesday, 6:00-10:00 p.m.
St. James Campus
60 hours
Fee: $65.00
Materials: $25.00

Prerequisites: Completion of GR 205 or equivalent experience.
Course Content: Designed for students with line and half-tone experience; covers direct and indirect colour separation procedures by various methods; colour correction by photographic masking; basic colour theory; making screened positives and contrast control using CC filters; includes the operation and control of film processors, densitometers, enlarger and related equipment.

Visual Communications Courses

These courses are designed for people already working in some facet of the expanding audio visual field. Each course provides extensive practical experience, coupled with sufficient theory, to give the student a good understanding of the subject studied.

The number of students accepted is limited to fifteen in each class, and all students will be requested to attend for an interview before enrollment.

A detailed synopsis for each of the following courses is available upon request.

Basic Photo-Technology AV 920

Monday and Thursday,
6:00-9:00 p.m.
Casa Loma Campus
60 hours
Fee: $65.00

Basic Audio Production Techniques AV 923

Monday and Wednesday
6:00-9:00 p.m.
St. James Campus
60 hours
Fee: $90.00

Basic Cinematography AV 922

Tuesday and Thursday
6:00-9:00 p.m.
St. James Campus
60 hours
Fee: $90.00

Audio Visual Extension Course

The following course offers a "hands on" approach to the subject indicated, thus providing practical experience with the minimum of theory.

No interview is required, but students may discuss their requirements with the instructor, before enrolling. A synopsis of the course is available upon request.

The course Introduction to Photography is offered on Tuesdays or Wednesdays, several times each year, to meet student demand. Early registration is advised.

Introduction to Photography AV 904

Tuesday or Wednesday
6:30-9:30 p.m.
Casa Loma Campus
30 hours
Fee: $45.00

The fee includes all materials that may be used during the course.

LANGUAGE TRAINING

Language Training

Pre-Intermediate English LT 813

Monday and Wednesday
7:00-9:00 p.m.
or Tuesday and Thursday
7:00-9:00 p.m.
College Campus
60 hours
Fee: $65.00

Course Content: This is a course for English second language learners who wish to proceed to Advanced English and who may not be ready for Intermediate English. The course will include work in the following areas: speaking, reading, writing, listening and grammar. There will also be some work in our language laboratory. Successful completion of this course would allow the student to continue studying English at a higher level.

Intermediate English Conversation and Writing LT 814

Monday and Wednesday,
or Tuesday and Thursday
7:00-9:00 p.m.
College Campus
60 hours
Fee: $65.00

Course Content: This is a course for second language learners who already know some English. The course will include work in the following areas: Speaking, Reading, Writing, Grammar (the structure of English), Listening comprehension. There will be some work in our language laboratory to improve stress and intonation. Students who successfully complete this Intermediate Course will qualify for the Advanced Course in English offered at College Campus.

Advanced English Reading Conversation For New Canadians LT 803

Monday and Wednesday or
Tuesday and Thursday,
7:00-9:00 p.m.,
9:00 to 11:00 a.m. Daily
College Campus
60 hours
Fee: $65.00

Course Content: For students who have already learned to speak and write basic English; includes vocabulary development, reading comprehension, developing conversational skills, business letters and report writing.

THEATRE ARTS
MUSIC & DANCE

Theatre Arts, Music and Dance

Theatre Arts

The Part-Time (Extension) courses described below are offered by the College in response to the widespread desire and need of people for participation in the dynamic and flourishing theatrical activities of Toronto. The courses provide the opportunity for serious study as well as for self-development and enjoyment.

Special Note

The course information given herein is the basic description.

The precise details of days-of-the-week, hours of the day, location, starting date, registration, etc. will be prepared in advance before the commencement of each term and an information flyer will be available in response to all enquiries.

For this, and other information, PLEASE TELEPHONE the College during normal office hours:

Coordinator of Theatre Arts
967-1212, Local 334.

Acting for Beginners THEA 900

10 weeks
50 hours
Fee: $55.00

Acting - Intermediate Level THEA 901

10 weeks
50 hours
Fee: $55.00

Prerequisite: Successful completion of THEA 900 or equivalent training or experience.
THEA 900 and THEA 901 are intensive activity courses providing practical exploration and development of the actor's art through improvisation and physical, vocal and mental techniques. Contact with professional teachers and coaches will focus on contemporary and traditional techniques.

Practical Playwriting (Workshop) THEA 909

10 weeks
30 hours
Fee: $35.00

This course involves all aspects of playwriting for the professional theatre. Working with professional actors and directors, the student will be helped towards developing the script to a performance vehicle.

Acting and the Speaker (Basic) THEA 923A

10 weeks
25 hours
Fee: $55.00

Acting and the Speaker (Advanced) THEA 923B

10 weeks
25 hours
Fee: $55.00

These courses are designed to assist professional, non-professional and student actors, radio and TV broadcasters and performers, teachers, lawyers, public speakers, politicians and others who wish to improve their communication skills before audiences, in social and business groups and in their person-to-person relationshps.

Practical Theatre THEA 924

50 hours
Fee: $55.00

Involves project development and practical experience in a professional setting. Previous courses or acceptable experience are prerequisites.

Musical Comedy (Beginner Level) THEA 927

8 weeks
40 hours
Fee: $80.00

This course is designed for professionals, and others who wish to develop skills and artistry towards performance capability in musical comedy or small stage variety shows.

Musical Comedy (Advanced Level) THEA 927A

8 weeks
40 hours
Fee: $80.00

Includes refinement of skills, singing in harmony, techniques of concentration, memorizing, preparation for auditions.

Stage Management THEA 928

8 weeks
48 hours
Fee: $55.00

An intensive workshop course for professionals, semi-professionals and others who wish to develop the skills, artistry and techniques of stage management in a professional setting.

Drama, Movement and Communication Part I THEA 930A

10 weeks
50 hours
Fee: $75.00

Drama, Movement and Communication Part II THEA 930B

10 weeks
50 hours
Fee: $75.00

Muscular function of the body in movement growth and development: movement in traditional and current modes of dance for artistic expression and communication: choreography and improvisation: role playing and simulation: training and teaching techniques in use of the body for dramatic and artistic presentation.
These two courses are a sequence and have been approved by the Certification Council of OSSTF as a FULL CREDIT approved related course for TEACHERS upgrading their quallfications on the Theatre and Communications Arts Chart No. 13 of OSSTF Certification.

Dance Fundamentals THEA 905A

10 weeks
50 hours
Fee: $55.00

This course is designed for beginners and for those wishing to participate in meaningful exercise for personal enjoyment.

Modern Jazz Dance THEA 905E

10 weeks
50 hours
Fee: $55.00

Modern Jazz Dance instruction is given at beginner and intermediate levels.

Lois Smith School of Dance

Director: Lois Smith

The inclusion of The Lois Smith School of Dance as a program of the George Brown College ensures the continuation of the artistic policy and high standards of technical training that have given the school a foremost position and reputation across Canada.

The curriculum of all courses is designed for progression over a period of 39 weeks, which is divided into three terms of 13 weeks duration. A summer school is also offered during July and August where students may attend classes every day.

Program — Junior School

The Junior School provides for two levels of creative movement as a preparation for ballet. At age 8 years they begin training in a carefully graded system of six levels of ballet. At the appropriate time they are introduced to National dancing and Pointe work.

Admission requirements: To commence classes in September, 1977, students must be not less than six years of age on or before December 31, 1977. If they have had previous training a grading audition will be required.

Senior School

The Senior School provides training from Elementary to Advanced levels in ballet, pointe, modern, character and Benesh dance notation as well as providing performing experience.

Admission requirements: Completion of the Junior School program, or by audition.

The **Pre-professional Course** is part of the Senior School and is for the advanced students who are able to spend most of the day in training. It is an intensive course of approximately 22 hours each week and is designed for students intent on dancing professionally. Admission is by audition only. Graduates may be eligible to join DANCESMITHS, an apprentice performing group sponsored by The Lois Smith Dance Foundation.

Non-professional school: A specially designed program for adults and non-professionals who wish to combine meaningful exercise with a deeper understanding of the technical aspects of dance. Instruction is offered in ballet, jazz, modern and pointe work and classes are graded from beginner to advanced levels.

For information on faculty members, audition dates, class schedules and fees please contact:

The Lois Smith School of Dance.
81A Front Street East
Toronto, Ontario M5E 1B8
Tel: (416) 363-9945

Spanish Danncing: For the 1976/1977 season we have incorporated the Paula Moreno Spanish Dance School enabling us to offer a unique curriculum incorporating all the basic techniques of Spanish dance for Flamenco, Classical and Regional styles.

Music Courses

The Director of the Music Program is the conductor of the St. Catharines Symphony, Leonard Atherton.

The courses are designed to complement existing programs at secondary and post-secondary levels, and all are intended to further playing ability.

All courses are offered in Fall, Winter and Spring terms. (The Summer term takes the form of a specially designed Summer School of Music).

Please write or telephone: George Brown College, Music Department, P.O. Box 1015, Station "B", Toronto, Ontario M5T 1T9 (416) 967-1212 Extension 738/739.

Instrumental Group Instruction MU 944

Monday or Wednesday
10 weeks
20 hours
Fee: $70.00

Instruction in the following instruments will be offered for students studying the same instrument, (minimum of 5 students per class) Piano, Violin, Viola, Cello, Flute, Clarinet, Saxophone, Classical Guitar, and Flamenco Guitar.

Flamenco Guitar MU 948

Wednesday
10 weeks
20 hours
Fee: $70.00

Prerequisite: Ability to read the natural notes below the 5th Fret, and to read simple rhythms.
The basics of Flamenco technique including instruction in 3 forms.

Popular Keyboard (Beginning Basic) MU 910

Tuesday
10 weeks
20 hours
Fee: $60.00

Keys, major scale, treble and bass clefts, flats, sharps, triads, note values, counting, rhythm.

Popular Keyboard (Intermediate) MU 911

Tuesday
10 weeks
20 hours
Fee: $60.00

Continuation from MU 910: chord variations, key signatures, inversions, minor scales, rhythm, accompaniment.

Popular Keyboard (Advanced) MU 912

Thursday
10 weeks
20 hours
Fee: $60.00

Continuation from MU911: chord inversions, ninth chord structures and voicings, full right hand, transposing, advanced accompaniment techniques.

Music Theory MU 940

Wednesday and Friday
10 weeks
30 hours
Fee: $70.00

Students having basic music-reading skills will study the rudiments of music theory. This course will include ear-training and keyboard harmony where applicable.
Minimum enrolment 5 students per class.

Harmony MU 941

Tuesday and Thursday
10 weeks
30 hours
Fee: $80.00

Students having completed MU 940 or equivalent, will study instrumental and vocal four-part writing, voice leading cadences with a significant portion of ear-training. Minimum enrolment — 5 students per class.

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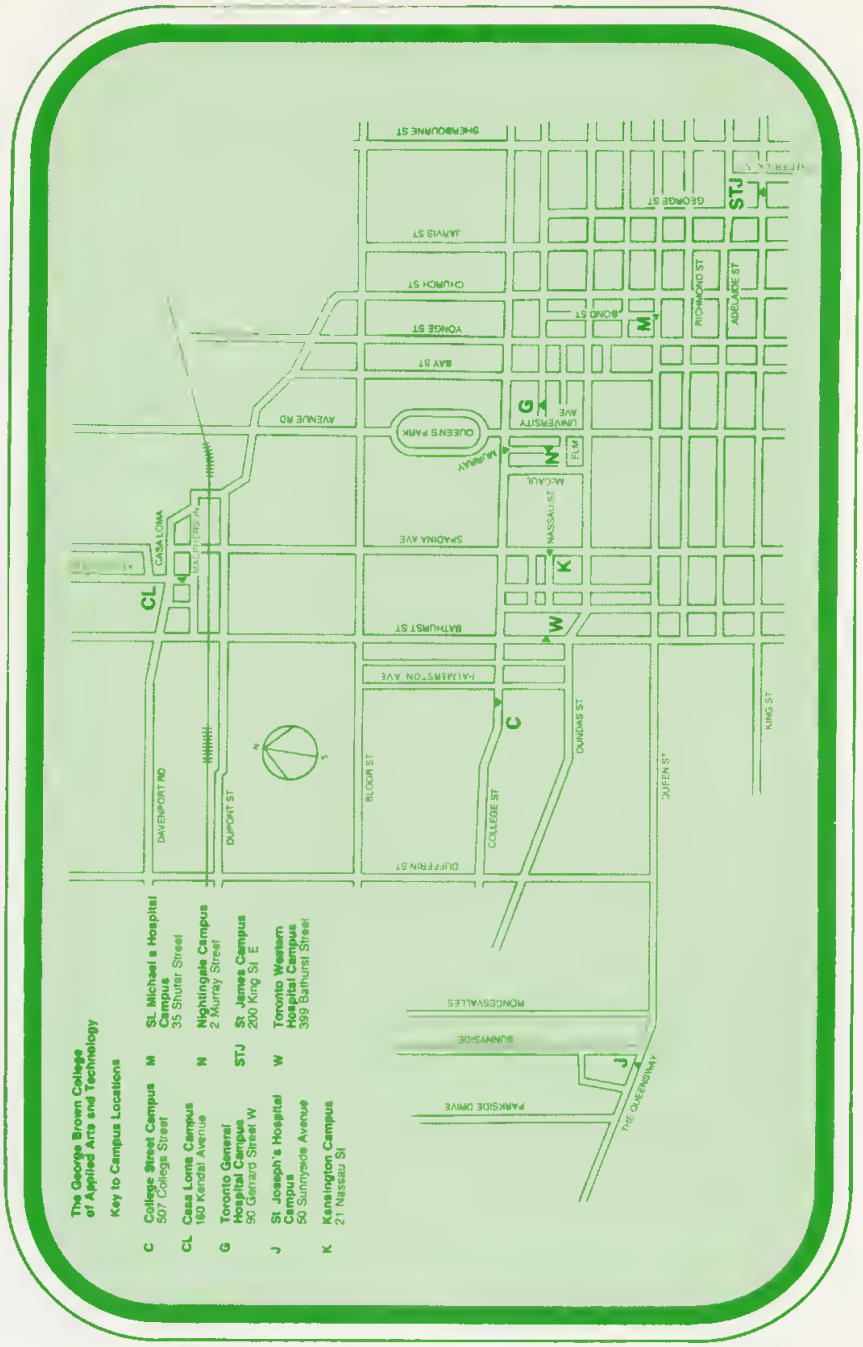

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